LUXEON SunPlus CoB Line

LEDs for ease of design and high PPF density for a deep penetration into the plant canopy

LUXEON SunPlus CoB Line LEDs are purpose-built to enable ease of system design for Horticulture applications. LUXEON SunPlus CoB Line offers the only CoBs available today that are binned and tested based on Photosynthetic Photon Flux (PPF). LUXEON SunPlus CoB Line includes three different sizes: 1208 with an LES of 15mm, 1211 with an LES of 19mm, and 1825 with an LES of 32mm.

FEATURES AND BENEFITS

115° angle for directional light distribution for greenhouse applications
Ideal solution for more directional horticulture applications that require a high light output and wattage

PRIMARY APPLICATIONS

Horticulture
LUXEON SunPlus CoB Line product performance at specified test current, $T_j=85^\circ$C.

<table>
<thead>
<tr>
<th>PRODUCT</th>
<th>COLOR</th>
<th>PPF (µmol/s)(^{[1]}) in PAR (400 TO 700nm)(^{[2]})</th>
<th>TEST CURRENT (mA)</th>
<th>LES (^{[3]}) (mm)</th>
<th>PART NUMBER</th>
</tr>
</thead>
<tbody>
<tr>
<td>LUXEON SunPlus CoB 1208</td>
<td>Purple (12.5% Blue)(^{[4]})</td>
<td>47.70</td>
<td>53.00</td>
<td>900</td>
<td>15 L2C5-SPP11208E1500</td>
</tr>
<tr>
<td>LUXEON SunPlus CoB 1211</td>
<td></td>
<td>63.90</td>
<td>71.00</td>
<td>1200</td>
<td>19 L2C5-SPP11211E1900</td>
</tr>
<tr>
<td>LUXEON SunPlus CoB 1825</td>
<td>Rose</td>
<td>179.10</td>
<td>199.00</td>
<td>2250</td>
<td>32 L2C5-SPP11825G3200</td>
</tr>
<tr>
<td>LUXEON SunPlus CoB 1825 Rose</td>
<td></td>
<td>180.00</td>
<td>200.00</td>
<td>2250</td>
<td>32 L2C5-SPR11825G3200</td>
</tr>
</tbody>
</table>

Notes:
1. Lumileds maintains a tolerance of ±6.5% on µmol/s measurements for LUXEON SunPlus CoB Line.
2. PAR is the photosynthetic active radiation from 400 to 700nm.
3. Light emitting surface (LES) is the inner diameter (phosphor area) inside the dam.
4. PPF in blue spectrum (420–480nm) ranges from 10–15% of total PPF in PAR (400–700nm). Typical PPF in the blue spectrum is 12.5%.

Wavelength.

Mechanical Dimensions.

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